

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

19270 U.S. PTO
10/731354



Art Unit :
Examiner :
Serial No. :
Filed : Herewith
Inventors : Frank Liu
Title : APPARATUS, METHODS AND
: ARTICLES OF MANUFACTURE
: FOR SIGNAL PROPAGATION
: USING UNWRAPPED PHASE

Customer No. 26794

Docket No.: 18102 (1314-03).

Confirmation No.:

Dated: December 9, 2003

Mail Stop Patent Application

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

EXPRESS MAIL CERTIFICATION

37 C.F.R. §1.10

Express Mail Label No.: EV 413403724 US

Date of Deposit: December 9, 2003

Description of Contents: Postcard, \$1,244.00 Check, \$40.00 Check, Application Transmittal Letter, in duplicate, Application Data Sheet (1 pages), Specification (15 pages), including claims (7 pages) and abstract (1 page), drawings (10 sheets), executed Combined Declaration, Power of Attorney and Petition, Recordation Form Cover Sheet - Patents Only and executed Assignment.

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR §1.10 on the date indicated above and is addressed to **Mail Stop Patent Application**, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Karen Shaw

(Typed or printed name of person mailing paper or fee)

(Signature of person mailing paper or fee)

COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, VA 22313-1450

Customer No. 26794

Sir:

Transmitted herewith for filing is the patent application of

Inventor(s): Frank Liu

For: APPARATUS, METHODS AND ARTICLES OF MANUFACTURE FOR SIGNAL PROPAGATION USING UNWRAPPED PHASE

Also enclosed are:

x Application Data Sheet
x 10 Sheets of drawings
— Information Disclosure Statement with Form PTO-1449 and copies of publications
x Recordation Form Cover Sheet - Patents Only and an Assignment of the invention to M/A-COM, Inc.
— Claim for Priority under 35 U.S.C. § 119 with certified copy of _____
x Postcard and Express Mail Certification

The filing fee has been calculated as shown below:

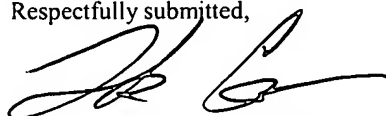
	NO. OF CLAIMS FILED		NO. OF CLAIMS FROM BASIC FEE	NO. OF EXTRA CLAIMS
TOTAL	32	-	20 =	12
INDEP.	5	-	3 =	2
___ First presentation of multiple dependent claim				

SMALL ENTITY		OR	OTHER THAN SMALL ENTITY	
RATE	BASIC FEE \$385.		RATE	BASIC FEE \$770.
x 9=	\$		x18=	\$216.00
x43=	\$		x86=	\$258.00
+145=	\$		+290=	\$0

TOTAL FEE \$ _____ OR \$1,244.00

- x A check in the amount of \$1,244.00 is enclosed to cover the official filing fee for a large entity.
- A check in the amount of \$ _____ is enclosed to cover the official filing fee for a small entity.
- x A check in the amount of \$40.00 is enclosed to cover the recordal fee.
- Please charge my Deposit Account No. 50-2719 in the amount of \$ _____. A duplicate copy of this sheet is enclosed.
- x In regard to this communication, the Commissioner is hereby authorized to charge payment of any additional filing fees required under 37 CFR §1.16 and any additional patent application processing fees under 37 CFR §1.17 or credit any overpayment to Deposit Account No. 50-2719. A duplicate copy of this sheet is enclosed.
- x During the pendency of this application, the Commissioner is hereby authorized to charge payment of any filing fees for presentation of extra claims under 37 CFR §1.16 and any patent application processing fees under 37 CFR §1.17 or credit any overpayment to Deposit Account No. 50-2719. A duplicate copy of this sheet is enclosed.

Respectfully submitted,



Frank A. Cona, Reg. No. 38,412
Attorney for Applicant(s)